

Title (en)
SLIDING BIAS AND PEAK LIMITING FOR OPTICAL HEARING DEVICES

Title (de)
GLEITENDE VORSPANNUNG UND SPITZENUNTERDRÜCKUNG FÜR OPTISCHE HÖRGERÄTE

Title (fr)
LIMITATION DE CRÊTE ET POLARISATION COULISSANTE POUR DISPOSITIFS AUDITIFS OPTIQUES

Publication
EP 3169396 A1 20170524 (EN)

Application
EP 15821719 A 20150714

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Abstract (en)
[origin: WO2016011044A1] A processor comprises instructions to adjust a bias of an input signal in order to decrease a duty cycle of a pulse modulated optical signal. The bias can be increased, decreased, or maintained in response to one or more measured values of the signal. In many embodiments, a gain of the signal is adjusted with the bias in order to inhibit distortion. The bias can be adjusted slowly in order to inhibit audible noise, and the gain can be adjusted faster than the bias in order to inhibit clipping of the signal. In many embodiments, one or more of the bias or the gain is adjusted in response to a value of the signal traversing a threshold amount. The value may comprise a trough of the signal traversing the threshold.

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Cited by
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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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US 2015040397 W 20150714; DK 15821719 T 20150714; EP 15821719 A 20150714; US 201514813301 A 20150730; US 201815890185 A 20180206; US 201916688774 A 20191119; US 202117534189 A 20211123